

SAMIR RAJPUTRA

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior Software Engineer with 5+ years of experience designing, developing, and scaling enterprise-grade web applications. Strong background in microservice architecture, cloud-ready systems, and full-stack development using Node.js, TypeScript, NestJS, and Vue.js. Experienced in system architecture design, API integrations, database modeling and containerized deployments. Proven ability to work with international teams and deliver high-impact solutions across fintech, government, and enterprise domains.

CORE SKILLS

- System Architecture & Microservices Design
- Node.js, TypeScript, NestJS
- REST & Event-Driven Architecture (Pub/Sub, Azure Service Bus)
- Vue.js, HTML, CSS
- Database Design: SQL, MongoDB
- Docker, Kubernetes
- Git, GitHub

PROFESSIONAL EXPERIENCE

Senior Software Engineer | FinPlusTech, Inc. (New York, USA) | Jun 2022 – Present

- Designed and developed scalable microservice-based systems using Node.js, NestJS, and Typescript.
- Acted as a system design contributor, defining service boundaries, communication patterns, and data flows.
- Implemented event-driven architecture using Azure Service Bus.
- Built and maintained Vue.js front-end applications integrated with backend services.
- Deployed and managed applications using Docker in containerized environments.
- Key Projects:
 - Orbispay: Early wage access fintech platform.
 - RiskAI: AI Safety & Governance platform for Financial Institution.
 - Whitehaven: Asset management system.

Senior Software Developer | Manaknight Digital (Toronto, Canada) | Jan 2021 – Apr 2022

- Developed backend systems using Node.js with SQL and NoSQL databases.
- Built and integrated APIs with third-party platforms such as Shopify, WooCommerce,

Amazon, and Microsoft Power BI.

- Designed backend services for scalable e-commerce and data analytics solutions.
- Key Projects:
 - Dropship platform with multi-vendor integrations.
 - Argometrix analytics platform.
 - Shopify API backend solutions (CommonGround Farm, Betterplay AI).
 - PUBA video management system.
 - Atelier management system.

Associate Software Developer | Improvement Company Nepal | Jul 2019 – Dec 2021

- Developed enterprise and government systems using MERN stack and PHP (CodeIgniter).
- Contributed to system architecture and database design for large-scale public sector applications.
- Collaborated with stakeholders and government bodies to deliver mission-critical platforms.
- Key Projects:
 - COVID Response & Research CRM (WHO Nepal).
 - Laboratory Information Management System (Ministry of Agriculture & Livestock Development).
 - Project Management Information System (PMIS).
 - COVID Insurance System for Shikhar Life Insurance.

Software Developer Intern | Vurung Technologies | May 2017 – Aug 2017

- Gained hands-on experience with MERN stack and Sequelize ORM.
- Built and maintained small-scale web applications as part of the development team.

EDUCATION

Bachelor of Computer Science in Information Technology (2016 – 2020)
Madan Bhandari Memorial College

INTERESTS

Technology, System Design, Problem Solving, Travel, Music, Guitar